

Portable IP68 Rugged Tablet 10.1 Inch with Cellular 5G and WiFi Connectivity

RugPad 5101 / 5101-5G / 5101-B68

The WoMaster RugPad 5101 is a rugged Windows 11 tablet designed for demanding industrial and field environments. Powered by an energy-efficient Intel i5-10210Y quad-core processor with 8GB DDR memory and a 128GB SSD, it delivers strong performance while maintaining low power consumption. Its 10.1-inch 1920×1200 display offers 700 cd/m² brightness and a 10-point G+G touch screen with ≥7H hardness, supporting operation with medical rubber gloves for specialized applications.

Built for durability, the RugPad 5101 features IP68 ingress protection and MIL-STD-810H compliance. It operates in extreme temperatures from -25°C to 60°C and is equipped with a 5550 mAh battery for extended field use. Rugpad 5101-5G supports standard 5G and 4G Europe / Latam America bands and B68 for proprietary security bands (5G: n28 band 700 MHz and n78 band 3.5 GHz), (4G LTE B1/B3/B7/B8/B20/B68). Other connectivity interfaces include 100/1000M Ethernet, Bluetooth 5.2, WiFi 6 (802.11a/b/g/n/ac/ax), and multiple interfaces such as USB 3.0 Type C, USB 3.0 Type A, RS232, Micro HDMI, TF card slot, and Micro SIM.



Features & Benefits

- **Processor & Memory:** Intel i5-10210Y quad-core, eight-thread; 8GB DDR RAM + 128GB SSD or Intel® Core™ i7-10510Y quad-core, eight-thread; 16GB DDR RAM + 256GB SSD
- **Display:** 10.1" 1920×1200 resolution, 700 cd/m² brightness
- **Touch Screen:** 10-point G+G, ≥7H hardness, supports medical rubber gloves
- **Battery:** Non-removable 7.6V 5550 mAh battery
- **Durability:** IP68 rated; MIL-STD-810H/G compliant; 1.2 m drop resistance
- **Operating Temperature:** -25°C to 60°C
- **Networking:** 1× 100/1000M Ethernet; WiFi 6 (802.11a/b/g/n/ac/ax) 2.4G + 5.8G; Bluetooth 5.2 (10 m range)
- **Optional 5G NR-EU+B68**
 - 5G NR: n28+n78
 - LTE FDD B1/B3/B7/B8/B20/B68
 - GNSS: L1+L5 Accuracy ≤1m
- **Interfaces:**
 - 1× USB 3.0 Type-C
 - 1× USB 3.0 Type-A
 - 1× RS232
 - 1× Micro HDMI
 - 1× TF card slot
 - 1× Micro SIM
 - 1× 3.5 mm earphone jack
- **Audio & Camera:** Dual speakers (2W/4Ω), microphone; front 5MP focus camera, rear 12MP autofocus camera
- **Power:** DC12V-4A charger; POGO 12-pin USB charger
- **OS:** Windows 11

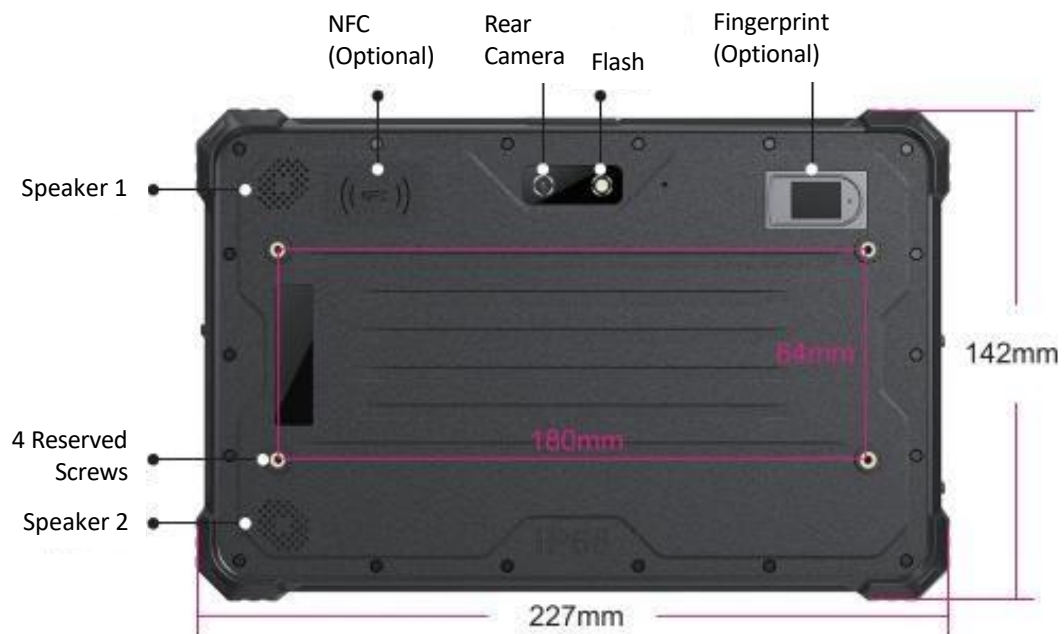
System	
CPU	Intel i5-10210Y, Quad-core Eight-Thread (Low Power) Or Intel i7-10510Y, Quad-core Eight-Thread (Low Power)
GPU	Intel® UHD Graphics for 10th Gen Intel® Processors
Memory	Intel i5: 8G DDR+128G SSD Intel i7: 16G DDR+256G SSD
TPM	Embedded TPM security chipset
Gravity Sensor	Yes
Screen	10.1 inches 16:10, 1920x1200, 700cd/m2
Touch Screen	10 point touch G+G Hardness >=7H, support medical robber gloves
Battery	1 x non-removable 7.6V 5550mAh battery
Ethernet	1 x 100/1000M
Bluetooth	Bluetooth 5.2, 10 meters
WiFi	WiFi 802.11(a/b/g/n/ac/ax) 2.4G+5.8GHz
GPS	GPS, Beidou, Glonass
Interface	1 x USB3.0 Type C, 1 x USB3.0 Type A, 1 x RS232, 1 x TF Card slot, 1 x Micro HDMI, 1 x Micro SIM
Audio	2 x speakers (2W/4Ω), 1 x MIC, 1 x 3.5mm Earphone Jack
OS	Windows 11
Camera	Front : 5.0MP Focus Rear : 12MP Auto Focus
Optional 5G NR-EU+B68	5G NR: n28+n78 LTE FDD B1/B3/B7/B8/B20/B68 GNSS: L1+L5 Accuracy <=1m
Power	DC12V-4A Charger, 1 x POGO 12 pin USB Charger
Operation Temperature	-25°C~60°C
Free fall	1.2m Wooden Floor
IP Protection	IP68
Certificate	MIL-STD-810H
Salt Water Immersion	2 meter 30 minutes
Drop	1.2 Meters (unpackaged handheld) 1.5 Meters (packaged)
Dimension	276.0*180.5*22.5mm (device) 371*213*61mm (package)
Weight	1251g (device) / 1902g (package)
Warranty	2 Years



Interfaces

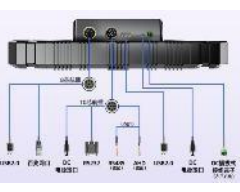


Interfaces



Model Name	Description
RugPad 5101-i5	IP68 Rugged Intel Core i5 Windows 11 tablet with 10.1 Inch TouchScreen, WiFi 6, 8G+128G Memory, MIL-STD810H Compliant, -25°C~60°C
RugPad 5101-i7	IP68 Rugged Intel Core i7 Windows 11 tablet with 10.1 Inch TouchScreen, WiFi 6, 16G+256G Memory, MIL-STD810H Compliant, -25°C~60°C
RugPad 5101-i5-5GMR-EU+B68	IP68 Rugged Intel Core i5 Windows 11 tablet with 10.1 Inch TouchScreen, WiFi 6, 8G+128G Memory, MIL-STD810H Compliant, -25°C~60°C, 5GMR+4G+B68 Europe, GNSS
RugPad 5101-i7-5GMR-EU+B68	IP68 Rugged Intel Core i7 Windows 11 tablet with 10.1 Inch TouchScreen, WiFi 6, 16G+256G Memory, MIL-STD810H Compliant, -25°C~60°C, 5GMR+4G+B68 Europe, GNSS
Package List	
• Product Unit	
• 12V-4A DC Power Adapter	
 	• Two-Point Strap

Optional Accessory
Ordering Information

 	Four-Point Strap
 	Back plate fixed stand
 	Back clip fixed stand
 	Vehicle docking station with expansion interfaces USB2.0 / Ethernet / DC / RS232)
 	Rugged tablet charging dock with USB and Ethernet port
 	Waterproof hard case